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UNSUPERVISED LEARNING OF OBJECT CATEGORIES FROM CLUTTERED IMAGES
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ABSTRACT

Unsupervised learning of object category from images is carried out by using an automatic image recognition system. A plurality of training images are automatically analyzed using an interest operator which produces an indication of features. Those features are clustered using a vector quantizer. The model is learned from the features using expectation maximization to assess a joint probability of which features are most relevant.